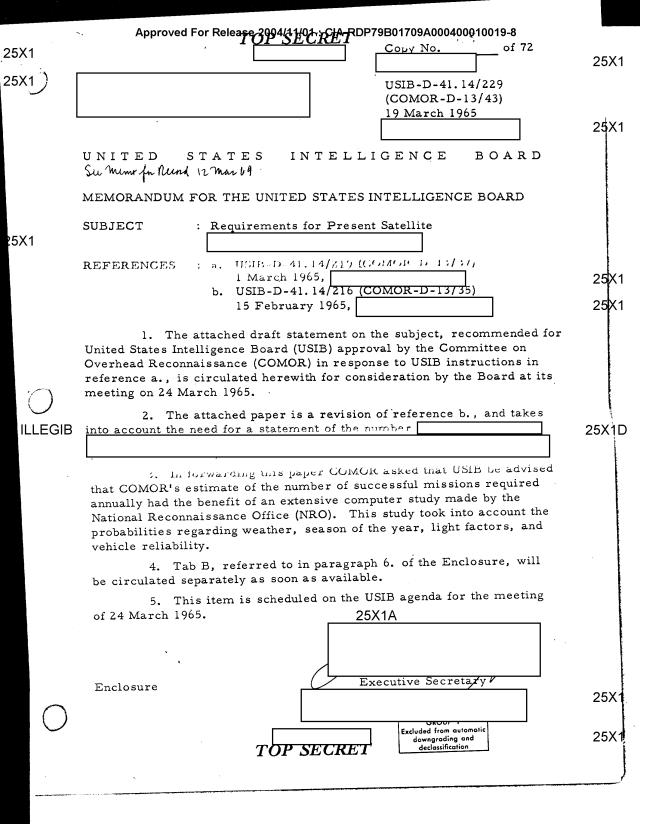
MC+G S CIA-RDP**79**B01709A000400010019-8 Copy No. 85 25X1 15 April 1965 25X1 STATES INTELLIGENCE BOARD UNITED See meny for Record attd 12 mar 19 MEMORANDUM FOR HOLDERS OF USIB-D-41, 14/229 SUBJECT Requirements for Present Satellite 25X1 REFERENCES USIB-D-41.14/229 (COMOR-D-13/43) 19 March 1965, 25X1 USIB-D-41.14/235 (COMOR-D-13/45) b. 26 March 1965, 25X1 USIB-D-41.14/240 (COMOR-D-48/96) 25X1 5 April 1965, 1. The draft statement on the subject in the Enclosure and Tabs to USIB-D-41.14/229 (reference a.) was approved by the United States Intelligence Board (USIB) (as recorded in reference b.) subject to: a. Amendments in paragraphs 13, 14 and Tab A, and b. Subsequent approval by the Director of Central Intelligence. 2. In restricted session at the USIB meeting on 14 April 1965, the Director of Central Intelligence (DCI) referred to the above actions by the Board and subsequent discussion in reference c. Mr. McCone noted that the statement on the subject in reference a. called for about 10 successful KH-4 missions each year primarily for search and surveillance, and 2 additional missions annually primarily for mapping, charting and geodesy requirements. He commented that this would call for a total of 12 successful KH-4 missions annually, and noted that provision for these was being made by the National Reconnaissance Office (NRO). Mr. McCone also observed the analysis in 25X1D 25X1 GROUP 1 Excluded from automatic downgrading and

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	highest priority targets because of their particular location and phic arrangement.
practica approve	3. Mr. McCone expressed his view that the requirement in ce a. as amended and approved by USIB represented a good able program. The DCI informed the Board that he has now ed the Enclosure and Tabs to USIB-D-41.14/229 as adopted by the it its 24 March meeting.
USIB-D	4. Accordingly, the attached revised pages 6 and 7 and the last Tab A are transmitted herewith for substitution in all copies of -41.14/229, which now stands approved for information and guidance concerned.
as follo	5. In addition, all copies of USIB-D-41.14/229 should be modified ws:
)	a. Page 4, paragraph 6.b., line 1 - change "emergency" to "emergence" and page 5, paragraph 10, line 2 - change "forcal" to "focal."
(1	b. Insert the attached pages 1 and 2 of Tab B, and change the of Tab B, pages 1 through 14 to
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	Executive Secretary
Attachr	nents
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- 5. Frequency of KH-4 Missions for Search and Surveillance. It is preferred that missions be spaced at fairly even intervals throughout the year. Such spacing will assist in:
 - a. Searching critical areas, such as the ICBM belt, until deployment is completed.
 - b. Detecting the emergence of new installations: and
 - c. Keeping track of their development.
 - d. Comparing the status of similar installations and their activities.

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	e. Covering new requirements	which have
	emerged from collateral sources.	
	f. Providing the PI with seque photography derived from different angles and lighting conditions which will provide increments over and above that obtainable from the resolution.	of obliquity deductive
5X1D		
perio	6. On the basis of the analysis made of the desired 1961 through January 1965 (See Tab B) seven	
\bigcirc	a. Nearly all of the Sino-Sovie covered with interpretable photography, tharea several times.	
	b. We observed the emergence facilities, the deployment of weapons syst were able to keep abreast of such development frame which minimized the chance of or concealment.	ems, and ments in a
	c. The period included good as weather cycles and light conditions rangin best to the worst.	
cloud extra surv succ	7. Statistical evaluations carried out essful KH-4 missions can be expected to sead free stereo, about 90 per cent of the Sino-Sapolations from these studies indicated that a eillance requirements (Tab A) for KH-4 can be essful missions. We therefore conclude that	oviet Bloc. In addition, bout 90 per cent of the be met with these ten a reasonable effort for

*See COMOR-D-13/41, 9 Mar 65

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out each, for the KH-4 search and KH-4 surveillance tasks.

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		USIB-D-41.14/229
		(COMOR-D-13/43) 19 March 1965

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Mapping, Charting, and Geodesy

8. There is a requirement for KH-4 type stereo satellite photography to prepare maps and charts of the Sino-Soviet Bloc as well as areas outside of the Sino-Soviet Bloc. For the Sino-Soviet Bloc, about three million square miles remain to be covered for preparation of maps and charts. Outside the Sino-Soviet Bloc a photographic data base of about 23 million square miles remains to be covered during the next two- or not more than three-year period.

9. There is a specific geodesy requirement for satellite photography to provide an accurate world-wide primary control network for use in establishing a launch-to-target geodetic relationship for long-range missiles and for establishing a coherent intra-continental network of position and elevation control for map and chart production. The remaining geodesy coverage requirement is for stellar index camera type data for 12 million square miles of land area plus Polar ice regions by July 1966.

- 10. The NRO had advised that the KH-4 system can be modified to include an index camera with a three-inch forcal length (the present camera is one and one-half inches) and a reseau in the panoramic camera. These modifications were initiated by the NRO to assist in mensuration and to contribute to satisfying mapping, charting, and geodesy needs. Both of the modifications have appreciable potential value in the mapping, charting and geodesy tasks. Incorporation of these modifications should be expedited if the potential value is realizable and if the cost and impact on the normal search and surveillance mission are not unacceptable.
- The current procurement program for, and the improved reliability of the KH-4 system will furnish about 12 successful missions per year, two in excess of the number anticipated necessary to meet the KH-4 search and surveillance requirement. The amount of mapping and charting photography to be obtained during the search and surveillance missions (estimated at 5 to 20 per cent per mission) be determined on the basis of mission-to-mission analysis of the current as well as long-term needs. Two missions annually should be utilized additionally to accelerate the fulfillment of the mapping and drating requirements. COMOR will furnish NRO the priority areas and other specific information, including desired launch date, with respect to these missions.

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25X1		USIB-D-41.14/229 (COMOR-D-13/43) 19 March 1965 (Rev. 15 April 1965)	25X1					
25X1 NRO	KH-7 Surveillance - Technical (Target Coverage) 12. For the next two years or so the K to obtain surveillance-technical information over The KH-7 requirement is included in Tab A.	H-7 is the primary system r the Sino-Soviet Bloc.						
	Standby KH-4 and KH-7 Missions (Critical Inte	lligence Collection Means).						
	14. In addition to the plans for use of search, surveillance, and technical requirement available additional KH-4 and KH-7 vehicles to	ents, there should be						

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tension. Although we realize that these systems are limited in this role, we believe they should be available on standby basis to be employed on

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	short notice not only as back-up for regularly scheduled missions but also for special purpose missions. The acquisition of information with these capabilities at such critical times might provide information for the policy maker which could be highly important in his policy considerations. Until the development of special reconnaissance capabilities (explored in Section II of this paper) standby KH-4	25X1D
	grammed in this role.	
	25X1A	
	James Q. Reber	
	Chairman	
1	Committee on Overhead Reconnaissance	
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